Performance Data Sheet

AJB2433ZXD

General Information

Model	AJB2433ZXD	**Refrigerant**	R-404A
Test Condition	ARI	**Performance Test Voltage**	230V ~ 60HZ
Return Gas	4.4°C (40°F) RETURN GAS	**Motor Type**	CSR

Performance Information

Evap Temp (°F)		Condensing Temperature (°F)						
		80	**90**	**100**	**110**	**120**	**130**	**140**
-40	Btu/h	2100	1910	1730	1550	1370	1190	1010
	Watts	680	664	649	633	617	600	583
	Amps	3.40	3.26	3.13	2.98	2.84	2.69	2.53
	Lb/h	35.8	34.3	32.7	31.0	29.4	27.7	26.0
-35	Btu/h	2530	2280	2040	1790	1550	1310	1070
	Watts	729	719	709	699	688	677	666
	Amps	3.67	3.56	3.45	3.33	3.21	3.09	2.96
	Lb/h	42.9	40.8	38.7	36.5	34.4	32.2	30.0
-30	Btu/h	3020	2710	2410	2100	1800	1500	1200
	Watts	780	776	772	767	762	756	751
	Amps	3.92	3.84	3.76	3.67	3.58	3.48	3.38
	Lb/h	50.9	48.3	45.7	43.1	40.4	37.7	35.0
-25	Btu/h	3570	3200	2830	2460	2100	1730	1370
	Watts	833	834	836	837	837	837	837
	Amps	4.16	4.11	4.05	4.00	3.93	3.87	3.79
	Lb/h	60.1	57.0	53.9	50.7	47.6	44.4	41.2
-20	Btu/h	4180	3750	3310	2880	2460	2030	1600
	Watts	888	895	902	908	914	920	926
	Amps	4.40	4.37	4.35	4.32	4.29	4.25	4.21
	Lb/h	70.3	66.7	63.1	59.5	55.9	52.3	48.6
-15	Btu/h	4840	4350	3850	3360	2870	2380	1890
	Watts	945	957	970	982	994	1010	1020
	Amps	4.63	4.64	4.64	4.64	4.64	4.63	4.62
	Lb/h	81.7	77.7	73.6	69.6	65.5	61.4	57.2
-10	Btu/h	5560	5000	4440	3890	3330	2780	2220
	Watts	1000	1020	1040	1060	1070	1090	1110
	Amps	4.86	4.90	4.94	4.97	5.00	5.03	5.05
	Lb/h	94.3	89.8	85.3	80.8	76.3	71.7	67.1
-5	Btu/h	6330	5710	5090	4460	3840	3220	2610
	Watts	1060	1090	1110	1140	1160	1180	1200
	Amps	5.10	5.17	5.24	5.31	5.37	5.43	5.48
	Lb/h	108	103	98.3	93.3	88.4	83.4	78.4

0	Btu/h	7150	6460	5780	5090	4410	3720	3040
	Watts	1130	1160	1190	1220	1240	1270	1300
	Amps	5.34	5.45	5.55	5.65	5.75	5.84	5.93
	Lb/h	123	118	113	107	102	96.4	91.0
5	Btu/h	8020	7270	6520	5770	5020	4270	3520
	Watts	1190	1230	1260	1300	1330	1370	1400
	Amps	5.60	5.74	5.88	6.01	6.15	6.28	6.40
	Lb/h	140	134	128	122	117	111	105
10	Btu/h	8940	8120	7310	6490	5670	4860	4040
	Watts	1260	1300	1340	1380	1420	1460	1500
	Amps	5.87	6.05	6.22	6.40	6.57	6.73	6.89
	Lb/h	158	152	145	139	133	127	120

COEFFICIENTS	CAPACITY	POWER	CURRENT	MASS FLOW
C1	1.267024E+04	8.879831E+02	4.468271E+00	1.660321E+02
C2	2.725594E+02	3.761850E+00	-4.144745E-03	3.848596E+00
C3	-6.892772E+01	2.964861E+00	1.082958E-02	-5.333026E-01
C4	1.066423E+00	3.935687E-02	7.025508E-05	2.476622E-02
C5	-1.285322E+00	1.122277E-01	6.695233E-04	-8.652036E-03
C6	-2.551798E-03	9.050086E-04	6.784728E-06	2.045259E-05
C7	-2.070896E-03	4.691238E-05	5.185895E-06	5.908118E-05
C8	-9.707462E-04	2.812414E-05	2.184385E-06	2.481420E-05
C9	-6.794662E-05	5.269717E-06	1.077883E-07	1.093897E-06
C10	2.557232E-05	-7.508281E-06	-6.717060E-08	-2.977890E-07

Value = C1 + C2 * Te + C4 * Te^2 + C7 * Te^3 + (C3 + C5 * Te + C8 * Te^2) * Tc + (C6 + C9 * Te) * Tc^2 + C10 * Tc^3

Te = Evaporator Temperature

Tc = Condensing Temperature